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AMENDMENTS TO THE CLAIMS

Please add or amend the claims to read as follows, and cancel without prejudice or disclaimer to resubmission in a divisional or continuation application claims indicated as cancelled:

1-13 (Canceled)

14. (Currently Amended) An implant device for implantation in the cardiovascular system of a subject to divert emboll in blood flowing through a main-blood-vessel aortic arch of the subject, from entering a branch blood vessel of the aortic arch downstream of the main-blood-vessel aortic arch, said implant device comprising:

an anchoring section of an expansible tubular construction for firmly anchoring the implant device in said branch blood vessel; and

a diverter section integrally formed with said anchoring section to project into said main-blood vessel aortic arch at the upstream side of said branch blood vessel when the anchoring section is anchored in the branch blood vessel;

said diverter section being constructed to permit flow of the blood through said main-blood-vessel aortic arch, and including an outer surface configured to face facing the upstream side of the main-blood-vessel aortic arch effective to divert emboll in the blood from entering said branch blood vessel.

- 15. (Currently Amended) The device according to Claim 14, wherein said diverter section is formed with many openings therethrough so as to reduce turbulence of the blood flow through said main-blood-vessel aortic arch.
- 16. (Currently Amended) The device according to Claim 14, wherein said outer surface of the diverter section is of a convex configuration so as to reduce turbulence of the blood flow through said main blood vessel aortic arch.
- 17. (Currently Amended) The device according to Claim 14, wherein said diverter section is of decreasing width in the along a direction of the device configured to extend towards the center of main blood-vessel said aortic arch when the device is implanted in the branch blood vessel.

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- (Original) The device according to Claim 14, wherein said diverter section is in the form of a curved planar sheet perforated with a plurality of openings therethrough.
- 19. (Original) The device according to Claim 18, wherein said anchoring section and said diverter section are formed of an open braided material.
- 20. (Original) The device according to Claim 18, wherein said diverter section is of bulbous configuration integrally formed with said anchoring section, and includes an opening therethrough communicating with the interior of the anchoring section.
- 21. (Currently Amended) The device according to Claim 20, wherein both said anchoring section and said diverter section are formed of an open braid cylinder such that one end of the open braid cylinder constitutes said anchoring section for anchoring in the branch blood vessel, and the opposite end of said open braid cylinder constitutes said diverter section for projecting into said main-blood vessel aortic arch.
- 22. (Currently Amended) The device according to Claim 18, wherein said diverter section of the open braid cylinder is angled away from the anchoring section of the open braid cylinder in the downstream direction of blood flow when the device is implanted in the branch blood vessel.
- 23. (Original) The device according to Claim 14, wherein said open braid material is formed of strands of at least two different diameters.
- 24. (Currently Amended) The device according to Claim 14, wherein the device includes a second anchoring section of an expansible tubular construction for firmly anchoring the device in said main-blood-vessel aortic arch downstream of said branch blood vessel, said diverter section being secured between said first and second anchoring sections.

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25. (Currently Amended) The device according to Claim 24, wherein said diverter section is of a planar configuration and of a width smaller than the diameter of said main blood-vessel aortic arch.

26. (Original) The device according to Claim 14, wherein the device is constructed and dimensioned for implantation in the aorta artery such that the anchoring section is to be anchored in the carotid artery and the diverter section is to project into the aorta lumen.